

Iron Metabolism

Hepcidin ELISAS*

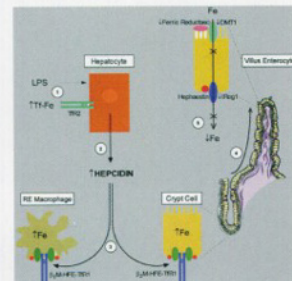
ELISAS for the quantitative measurement Hepcidin and Pro-Hepcidin in human serum.

Hepcidin is a small cystein-rich peptide produced in the liver. This molecule regulates the absorption of iron in the body similarly to the correlation of insulin and sugar. Hepcidin was initially isolated as a 25 amino acid (aa) peptide

in human plasma and urine exhibiting antimicrobial activity.

Human Hepcidin is produced from a 84 aa precursor including a putative (24 aa) signal peptide.

Application of the present ELISA allows the detection and determination of Hepcidin and Pro-Hepcidin in serum for plasma of patients.



*) US Patent Appl. No. 10/441,089

Hepcidin New

- Sensitivity: < 1.5 nmol/ml
- Incubation: 60/180/30 min
- Standard Volume: 200 µL serum/plasma
- Standard Range: 4.2 - 340 nmol/ml
- Assay Type: competitive

Pro-Hepcidin

- Sensitivity: 3.95 ng/ml
- Incubation: 120/30/30 min
- Standard Volume: 50 µL human serum
- Standard Range: 0 - 1000 ng/ml
- Assay Type: competitive

Diabetes / Obesity

Leptin-ELISAS

Clinical Indications:

Leptin is a newly developed signaling factor encoded by the obese gene in adipose tissue.

Sandwich-ELISA

- Standard range 2 - 100 ng/ml
- Sensitivity: 1.0 ng/ml

FDA approved

Proinsulin

- High sensitivity (0.5 pmol/l)
- No cross reaction with C-Peptide, Insulin, 32 - 33 split and 31 - 32 des Proinsulin
- Standard range (5 - 100 pmol/l)

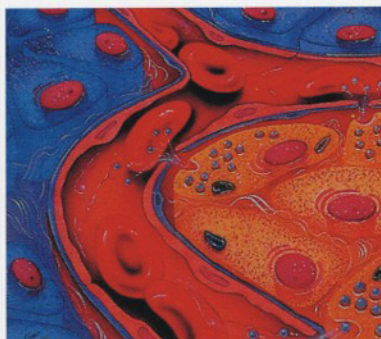
FDA approved

C-Peptide

- High sensitivity (0.05 ng/ml)
- No cross reactivity with Insulin and Proinsulin
- Standard range 0.2 - 16 ng/ml
- Excellent correlation to established RIA's

Rat Insulin

- Sample: 25µl Serum or Plasma
- Incubation: 60/15 min
- Standard range: 0.15-5.5 µg/L



Also available:

LEPTIN RIAS

- Human, Rat, Mouse, Primate

Insulin ELISAS

- Porcine, Ovine, Bovine, Equine, Canine
- Rat ultrasensitive
- Lispro, Iso
- Human ultrasensitive

C-Peptide (Rat) RIA + ELISA

Insulin RIA (Rat)

Proinsulin RIA

Neuropeptide Y-RIA

ICA - ELISA

anti GAD - RIA

anti - IA2 - RIA

Insulin

- Standard range 6.25 - 100 µU/ml
- High sensitivity (1.5 µU/ml)
- Short incubation time 30/30/15 min.

IAA (Insulin Autoantibodies)

- Sensitivity: n.a.
- Incubation: 18h/60/30 min.

Ghrelin

- Sensitivity: 1 fmol/ml
- Incubation: 120/60/30 min.

Adiponectin

- Sensitivity: 0.78 ng/ml
- Incubation: 120/30/5 min.